

CLAIMS

The invention is claimed as follows:

1. A pallet, comprising:
5 hollow corner blocks;
cross members connected to the hollow corner blocks;
ladder cross members at a top side of the pallet; and
a crush cell at an outer corner portion of at least one of the hollow corner
blocks.
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2. The pallet of claim 1, wherein at least one hollow corner block has a plurality
of crush cells.
3. The pallet of claim 2, wherein the plurality of crush cells are arranged
15 sequentially from the outer corner portion of the at least one hollow corner block
toward an inner corner portion of the at least one hollow corner block.
4. The pallet of claim 1, wherein the crush cell comprises an internal wall
structure of the hollow corner block.
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5. The pallet of claim 1, wherein the crush cell has a generally cylindrical shape.
6. The pallet of claim 1, wherein the crush cell is a first crush cell arranged at the
outer corner of the hollow corner block, and the pallet further comprising a second
25 crush cell arranged sequentially from the first crush cell toward an inner corner portion
of at least one hollow corner block.
7. The pallet of claim 6, further comprising a third crush cell arranged
sequentially from the second crush cell toward the inner corner portion of the at least
30 one hollow corner block.

8. The pallet of claim 1, wherein the hollow corner blocks comprise a wall having a groove which changes shape during a crush mode of the corner block.
9. The pallet of claim 1, wherein a cross member at an outer perimeter of the
5 pallet has different portions which have different wall thicknesses.
10. The pallet of claim 1, wherein the hollow corner blocks, the cross members, and the ladder cross members are extruded aluminum.
- 10 11. The pallet of claim 1, wherein the hollow corner blocks, the cross members, and the ladder cross members are constructed of metal.
12. An extruded aluminum pallet having a plurality of hollow blocks and a plurality of hollow cross members connected together.
- 15 13. The extruded aluminum pallet of claim 12, wherein at least some of the plurality of hollow blocks and at least some of the plurality of hollow cross members have internal walls forming internal cells.
- 20 14. The extruded aluminum pallet of claim 13, wherein at least one of the internal cells of a corner block of the plurality of hollow blocks is a crush cell which intentionally deforms during impact and absorbs energy.
15. The extruded aluminum pallet of claim 12, wherein the plurality of hollow
25 blocks comprises corner blocks having a plurality of internal crush cells arranged sequentially.
16. A metallic pallet having a plurality of hollow blocks and a plurality of hollow cross members connected together.
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17. The metallic pallet of claim 16, wherein the plurality of hollow blocks comprises corner blocks having a plurality of internal crush cells arranged sequentially.
- 5 18. A pallet, comprising:
hollow corner blocks;
cross members connected to the hollow corner blocks;
ladder cross members at a top side of the pallet; and
an elastic bumper at an outer corner portion the hollow corner blocks;
10 the hollow corner blocks having a crush cell positioned inward of the bumper.
19. A pallet, comprising:
hollow blocks;
cross members connected to the hollow blocks; and
15 ladder cross members at a top side of the pallet;
the hollow blocks having a torque tower portion at the connection to the cross members.
20. The pallet of claim 19, wherein the torque towers comprise a notch in
20 an outer wall of the hollow block and an internal wall structure connected to the outer wall by the notch.